

FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)	Docket Number: 11669.206USD1	Application Number: 10/722,292
	Applicant: SHIMKETS ET AL.	
	Filing Date: 11/25/2003	Group Art Unit: 1634 1635

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
BW	6,610,480 B1	08/26/2003	SHIMKETS ET AL.			

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
BW	WO 97/15690	05/01/1997	PCT				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
BW		Goldspiel et al., "Human Gene Therapy", <u>Clinical Pharmacy</u> , 12:488-505 (1993)
		He et al., "A Human Brain L-3-Hydroxyacyl-coenzyme A Dehydrogenase Is Identical to an Amyloid β -Peptide-binding Protein Involved in Alzheimer's Disease", <u>The Journal of Biological Chemistry</u> , 273(17):10741-10746 (1998)
		Kennell, "Principles and Practices of Nucleic Acid Hybridization", <u>Progr. Nucl. Acid Res. Mol. Biol.</u> , 11:259-301 (1971)
		Dieffenbach et al., "Cloning of Murine gelsolin and its regulation during differentiation of embryonal carcinoma cells", GenBank Accession No. J04953 (1993)
		Macalma et al., "Molecular characterization of human zyxin", GenBank Accession No. X99063 (1996)
		McVey et al., "Characterization of the mouse SPARC/osteonectin gene. Intron/exon organization and an unusual promoter region", GenBank Accession No. M20692 (1994)
		Muragaki et al., "The alpha 2(VIII) collagen gene. A novel member of the short chain collagen family located on the human chromosome 1", GenBank Accession No. M60832 (1995)
		Muthukumaran et al., "The complete primary structure for the alpha 1-chain of mouse collagen IV. Differential evolution of collagen IV domains", GenBank Accession No. J04694 (1994)
BW		Prioul et al., "Expression of ADP-glucose pyrophosphorylase in maize (<i>Zea mays</i> L.) grain and source leaf during grain filling", GenBank Accession No. S72425 (1995)

EXAMINER	DATE CONSIDERED
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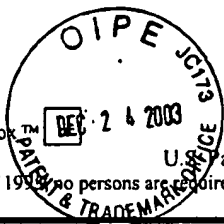
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BW		Tse et al., "Molecular cloning and expression of a cDNA encoding the rabbit ileal villus cell basolateral membrane Na ⁺ /H ⁺ exchanger", GenBank Accession No. X59935 (1991)
		Wood et al., "Complete nucleotide sequence of the N-terminal domains of the murine alpha-1 type-III collagen chain", GenBank Accession No. M18933 (1993)
		Zinc et al., "Characterization of cryptic prophages (monocins) in <i>Listeria</i> and sequence analysis of a holing/endolysin gene", GenBank Accession No. X89234 (2004)
		Dieffenbach et al., "Cloning of Murine Gelsolin and Its Regulation During Differentiation of Embryonal Carcinoma Cells", <i>The Journal of Biological Chemistry</i> , 264(22):13281-13288 (1989)
		Macalma et al., "Molecular Characterization of Human Zyxin", <i>The Journal of Biological Chemistry</i> , 271(49):31470-31478 (1996)
		McVey et al., "Characterization of the Mouse SPARC/Osteonectin Gene. Intron/Exon Organization and an Unusual Promoter Region", <i>The Journal of Biological Chemistry</i> , 263(23):11111-11116 (1988)
		Muragaki et al., "The $\alpha 2$ (VIII) Collagen Gene. A Novel Member of the Short Chain Collagen Family Located on the Human Chromosome 1", <i>The Journal of Biological Chemistry</i> , 266(12):7721-7727 (1991)
		Muthukumaran et al., "The complete primary structure for the alpha 1-chain of mouse collagen IV. Differential evolution of collagen IV domains", <i>The Journal of Biological Chemistry</i> , 264(11):6310-6317 (1989)
		Prioul et al., "Expression of ADP-Glucose Pyrophosphorylase in Maize (<i>Zea mays</i> L.) Grain and Source Leaf during Grain Filling", <i>Plant Physiol.</i> , 104:179-187 (1994)
		Tse et al., "Molecular cloning and expression of a cDNA encoding the rabbit ileal villus cell basolateral membrane Na ⁺ /H ⁺ exchanger", <i>EMBO J.</i> , 10(8):1957-1967 (1991)
		Wood et al., "Complete nucleotide sequence of the N-terminal domains of the murine alpha-1 type-III collagen chain", <i>Gene</i> , 61:225-230 (1987)
BW		Zinc et al., "Characterization of cryptic prophages (monocins) in <i>Listeria</i> and sequence analysis of a holing/endolysin gene", <i>Microbiology</i> , 141(Pt. 10):2577-2584 (2004)

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PATENT TRADEMARK OFFICE

EXAMINER	/Brian Whiteman/	DATE CONSIDERED	08/15/2006
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				Application Number	10/722,292
				Filing Date	November 25, 2003
				First Named Inventor	Richard A. Shimkets et al.
				Group Art Unit	Not Yet Assigned 63J
				Examiner Name	Not Yet Assigned WhA
Sheet	1	of	10	Attorney Docket Number	09800080-0174

U.S. PATENT DOCUMENTS						
Examiner Initials*	CiteNo. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
BW	A1	5,679,545		Joffe Baker et al.	10-21-1997	

FOREIGN PATENT DOCUMENTS								
Examiner Initials *	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
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CBW	B1	WIPO	WO 99/24571	A2	CuraGen Corporation	05-20-1999		

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First Named Inventor	Richard A. Shimkets <i>et al.</i>
Group Art Unit	Not Yet Assigned 1822
Examiner Name	Not Yet Assigned White
Attorney Docket Number	09800080-0174

Sheet 2 of 10

OTHER ITEMS - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	CiteNo.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
BW	C1	Achyuthan, K. <i>et al.</i> , "Immunochemical analyses of human plasma fibronectin-cytosolic transglutaminase interactions," <i>J. Immuno. Methods</i> , 180:69-79 (1995).	
	C2	Anversa P. <i>et al.</i> , "Stereological Measurement of Cellular and Subcellular Hypertrophy and Hyperplasia in the Papillary Muscle of Adult Rat," <i>J. Mol. Cell. Cardiol.</i> , 12:781-795 (1980).	
	C3	Batra, S. and K. Rakusan, "Capillarization of the Hypertrophic Heart: Discrepancy of the Results Obtained by the Triangulation and Domain Methods," <i>J. Cardiovasc. Pharmacol.</i> , 17 (Suppl. 2):S151-S153 (1991).	
	C4	Berthod, F. <i>et al.</i> , "Differential Expression of Collagens XII and XIV in Human Skin and in Reconstructed Skin," <i>J. Invest. Dermatol.</i> , 108(5):737-742 (1997).	
	C5	Bhalerao, J. <i>et al.</i> , "Molecular Cloning, Characterization, and Genetic Mapping of the cDNA Coding for a Novel Secretory Protein of Mouse," <i>J. Biol. Chem.</i> , 270:16385-16394 (1995).	
	C6	Black, F. <i>et al.</i> , "The Vascular Smooth Muscle α -Actin Gene is Reactivated during Cardiac Hypertrophy Provoked by Load," <i>J. Clin. Invest.</i> , 88:1581-1588 (1991).	
	C7	Boheler, K. and K. Schwartz, "Gene Expression in Cardiac Hypertrophy," <i>Trends Cardiovasc. Med.</i> 2(5):176-182 (1992).	
	C8	Boluyt, M. <i>et al.</i> , "Alterations in Cardiac Gene Expression During the Transition From Stable Hypertrophy to Heart Failure," <i>Circ. Res.</i> , 75:23-32 (1994).	
	C9	Bonaldo, M. <i>et al.</i> , GenBank Accession No. AA818324, 02-18-1998.	
BW	C10	Burgess, M. <i>et al.</i> , "Exercise- and hypertension-induced collagen changes are related to left ventricular function in rat hearts," <i>Am. J. Physiol.</i> , 270(1 pt 2):(H151-H159) (1996).	

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BW	C11	Buttrick, P. <i>et al.</i> , "Alterations in Gene Expression in the Rat Heart after Chronic Pathological and Physiological Loads," <i>J. Mol. Cell. Cardiol.</i> , 26:61-67 (1994).			
✓	C12	Calderone H. <i>et al.</i> , "Pressure and Volume-Induced Left Ventricular Hypertrophies are Associated with Distinct Myocyte Phenotypes and Differential Induction of Peptide Growth Factor mRNAs," <i>Circulation</i> , 92:2385-2390 (1995).			
✓	C13	Chapman, D. <i>et al.</i> , "Regulation of Fibrillar Collagen Types I and III and Basement Membrane Type IV Collagen Gene Expression in Pressure Overloaded Rat Myocardium," <i>Circ. Res.</i> , 67:787-794 (1990).			
✓	C14	Charlemagne, D. <i>et al.</i> , "Alteration of Na,K-ATPase Subunit mRNA and Protein Levels in Hypertrophied Rat Heart," <i>J. Biol. Chem.</i> , 269:1541-1547 (1994).			
✓	C15	Chien, K. <i>et al.</i> , "Regulation of cardiac gene expression during myocardial growth and hypertrophy: molecular studies of an adaptive physiologic response," <i>FASEB</i> , 5:3037-3046 (1991).			
✓	C16	Chomczynski, P. <i>et al.</i> , "Single-Step Method of RNA Isolation by Acid Guanidinium Thiocyanate-Phenol-Chloroform Extraction," <i>Anal. Biochem.</i> 162:156-159 (1987).			
✓	C17	Chomczynski, P. <i>et al.</i> , "A Reagent for the Single-Step Simultaneous Isolation of RNA, DNA and Proteins from Cell and Tissue Samples," <i>Biotechniques</i> , 15:532-534, 536-537 (1993).			
✓	C18	Comb, M. <i>et al.</i> , "Primary structure of the human Met- and Leu-enkephalin precursor and its mRNA," <i>Nature</i> , 295:663-666 (1982).			
✓	C19	Cooper, G. <i>et al.</i> , "Load Induction of Cardiac Hypertrophy," <i>J. Mol. Cell. Cardiol.</i> , 21 (Suppl. V):11-30 (1989).			
✓	C20	Cooper, G., "Cardiocyte Adaptation to Chronically Altered Load," <i>Ann. Rev. Physiol.</i> , 49:501-518 (1987).			
BW	C21	Cummins, P., "Transitions in human atrial and ventricular myosin light-chain isoenzymes in response to cardiac-pressure-overload-induced hypertrophy," <i>Biochem. J.</i> , 205:195-204 (1982).			

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— BW	C22	de Fatima Bonaldo, M. <i>et al.</i> , "Normalization and Subtraction: Two Approaches to Facilitate Gene Discovery," <i>Genome Res.</i> , 6:791-806 (1996).			
	C23	de la Bastie, D. <i>et al.</i> , "Function of the Sarcoplasmic Reticulum and Expression of Its Ca ²⁺ -ATPase Gene in Pressure Overload-Induced Cardiac Hypertrophy in the Rat," <i>Circ. Res.</i> , 66:554-564 (1990).			
	C24	Delcayre, C. <i>et al.</i> , "Synthesis of Stress Proteins in Rat Cardiac Myocytes 2-4 Days after Imposition of Hemodynamic Overload," <i>J. Clin. Invest.</i> , 82:460-468 (1988).			
	C25	Desjardins S, Mueller RW, Cauchy MJ. "A pressure overload model of congestive heart failure in rats," <i>Cardiovasc. Res.</i> 22:696-702 (1988).			
	C26	Donohue, T. <i>et al.</i> , "Induction of Myocardial Insulin-Like Growth Factor-I Gene Expression in Left Ventricular Hypertrophy," <i>Circulation</i> , 89:799-809 (1994).			
	C27	Dreher, K. <i>et al.</i> , "Vascular smooth muscle biglycan represents a highly conserved proteoglycan within the arterial wall," <i>Eur. J. Cell Biol.</i> , 53:296-304 (1990).			
	C28	Eghbali, M. <i>et al.</i> , "Localization of Types I, III and IV Collagen mRNAs in Rat Heart Cells by <i>in situ</i> Hybridization," <i>J. Mol. Cell. Cardiol.</i> , 21:103-113 (1989).			
	C29	Engelmann, G. <i>et al.</i> , "Immediate postnatal rat heart development modified by abdominal aortic banding: Analysis of gene expression," <i>Mol. Cell. Biochem.</i> , 163/164:47-56 (1996).			
	C30	Eppenberger, H. <i>et al.</i> , "Adult Rat Cardiomyocytes in Culture, A Model System to Study the Plasticity of the Differentiated Cardiac Phenotype at the Molecular and Cellular Levels," <i>Trends Cardiovasc. Med.</i> 4:187-193 (1994).			
	C31	Feldman, A. <i>et al.</i> , "Selective Changes in Cardiac Gene Expression During Compensated Hypertrophy and the Transition to Cardiac Decompensation in Rats With Chronic Aortic Banding," <i>Circ. Res.</i> , 73:184-192 (1993).			
BW	C32	Feldman, A.M., "Can we alter survival in patients with congestive heart failure?" <i>JAMA</i> 267:1956-1961 (1992).			

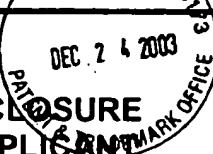
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BW ✓	C33	Grossman, W. <i>et al.</i> , "Wall Stress and Patterns of Hypertrophy in the Human Left Ventricle," <i>J. Clin. Invest.</i> 56:56-64 (1975).			
	✓ C34	Hasenfuss, G. "Animal models of human cardiovascular disease, heart failure and hypertrophy," <i>Cardiovasc. Res.</i> 39:60-76 (1998).			
	✓ C35	Heimer, R. <i>et al.</i> , "TGF- β Modulates the Synthesis of Proteoglycans by Myocardial Fibroblasts in Culture," <i>J. Mol. Cell. Cardiol.</i> , 27:2191-2198 (1995).			
	✓ C36	Ingwall, J., "Is Cardiac Failure a Consequence of Decreased Energy Reserve?" <i>Circulation</i> , 87 (Suppl.) VII58 - VII62 (1993).			
	✓ C37	Ingwall, J. <i>et al.</i> , "The Creative Kinase System in Normal and Diseased Human Myocardium," <i>N. Engl. J. Med.</i> , 313:1050-1054 (1985).			
	✓ C38	Ito, H. <i>et al.</i> , "Endothelin-1 Is an Autocrine/Paracrine Factor in the Mechanism of Angiotensin II-induced Hypertrophy in Cultured Rat Cardiomyocytes," <i>J. Clin. Invest.</i> , 92:398-403 (1993).			
	✓ C39	Iwaki, K. <i>et al.</i> , " α - and β -Adrenergic Stimulation Induces Distinct Patterns of Immediate Early Gene Expression in Neonatal Rat Myocardial Cells," <i>J. Biol. Chem.</i> , 265:13809-13817 (1990).			
	✓ C40	Izumo, S. <i>et al.</i> , "Protooncogene Induction and Reprogramming of Cardiac Gene Expression Produced by Pressure Overload," <i>Proc. Natl. Acad. Sci. USA</i> , 85:339-343 (1988).			
	✓ C41	Johnson, T. <i>et al.</i> , "The Role of Transglutaminase in the Rat Subtotal Nephrectomy Model of Renal Fibrosis," <i>J. Clin. Invest.</i> , 99:2950-2960 (1997).			
	✓ C42	Kadenbach, B. <i>et al.</i> , "Separation of Mammalian Cytochrome c Oxidase into 13 Polypeptides by a Sodium Dodecyl Sulfate-Gel Electrophoretic Procedure," <i>Anal. Biochem.</i> , 129:517-521 (1983).			
	✓ C43	Kannel, W., "Epidemiological Aspects of Heart Failure," <i>Cardiol. Clin.</i> , 7:1-9 (1989).			
BW	C44	Katz, A., "Scientific Insights from Clinical Studies of Converting-Enzyme Inhibitors in the Failing Heart," <i>Trends Cardiovasc. Med.</i> , 5:37-44 (1995).			

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BW ✓	C45	Keller, A. <i>et al.</i> , "Differential expression of α - and β -enolase genes during rat heart development and hypertrophy," <i>Am. J. Physiol.</i> , 269:H1843-H1851 (1995).			
	✓ C46	Kimura, S. <i>et al.</i> , "Sarcoplasmic reticulum function in skinned fibers of hypertrophied rat ventricle," <i>Am. J. Physiol.</i> , 256:H1006-H1011 (1989).			
	✓ C47	Knowlton, K. <i>et al.</i> , "Co-regulation of the Atrial Natriuretic Factor and Cardiac Myosin Light Chain-2 Genes during α -Adrenergic Stimulation of Neonatal Rat Ventricular Cells," <i>J. Biol. Chem.</i> , 266:7759-7768 (1991).			
	✓ C48	Komuro, I. <i>et al.</i> , "Expression of Cellular Oncogenes in the Myocardium During the Developmental Stage and Pressure-Overloaded Hypertrophy of the Rat Heart," <i>Circ. Res.</i> , 62:1075-1079 (1988).			
	✓ C49	Komuro, I. <i>et al.</i> , "Molecular Cloning and Characterization of a Ca^{2+} + Mg^{2+} - dependent Adenosine Triphosphatase from Rat Cardiac Sarcoplasmic Reticulum. Regulation of Its Expression by Pressure Overload and Developmental Stage," <i>J. Clin. Invest.</i> , 83:1102-1108 (1989).			
	✓ C50	König, M. <i>et al.</i> , "Pain responses, anxiety and aggression in mice deficient in pre-proenkephalin," <i>Nature</i> , 383:535-538 (1996).			
	✓ C51	Konstam, M. <i>et al.</i> , "Effects of the Angiotensin Converting Enzyme Inhibitor Enalapril on the Long-term Progression of Left Ventricular Dysfunction in Patients With Heart Failure," <i>Circulation</i> , 86:431-438 (1992).			
	✓ C52	Lai, J. <i>et al.</i> , "Prostaglandin $\text{F}_{2\alpha}$ induces cardiac myocyte hypertrophy in vitro and cardiac growth in vivo," <i>Am. J. Physiol.</i> , 271:H2197-H2208 (1996).			
	✓ C53	Lee, H. <i>et al.</i> , " α_1 -Adrenergic Stimulation of Cardiac Gene Transcription in Neonatal Rat Myocardial Cells Effects on Myosin Light Chain-2 Gene Expression," <i>J. Biol. Chem.</i> 263:7352-7358 (1988).			
	✓ C54	Legon, S. <i>et al.</i> , "The structure and expression of the preproenkephalin gene," <i>Nucl. Acids Res.</i> , 10:7905-7918 (1982).			
✓ BW	C55	Lindy, S. <i>et al.</i> , "Protocollagen Proline Hydroxylase Activity in Rat Heart During Experimental Cardiac Hypertrophy," <i>Circ. Res.</i> 30:205-209 (1972).			

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Substitute for form 1449A/PTO		DEC 24 2003 PATENT AND TRADEMARK OFFICE		Complete if Known Application Number 10/722,292 Filing Date November 25, 2003 First Named Inventor Richard A. Shimkets <i>et al.</i> Group Art Unit Not Yet Assigned Examiner Name Not Yet Assigned Attorney Docket Number 09800080-0174	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)					
Sheet	7	of	10		
OTHER ITEMS – NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	CiteNo.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
BW ✓	C56	Liu, X. <i>et al.</i> , "Type III collagen is crucial for collagen I fibrillogenesis and for normal cardiovascular development," <i>Proc. Natl. Acad. Sci. USA</i> , 94:1852-1856 (1997).			
✓	C57	Lockard, V. and S. Bloom, "Trans-cellular Desmin-Lamin B Intermediate Filament Network in Cardiac Myocytes," <i>J. Mol. Cell. Cardiol.</i> , 25:303-309 (1993).			
✓	C58	Lompré, A-M. <i>et al.</i> , "Changes in Gene Expression during Cardiac Growth," <i>Int. Rev. Cytol.</i> , 124:137-186 (1991).			
✓	C59	Macalma, T. <i>et al.</i> , "Molecular Characterization of Human Zyxin," <i>J. Biol. Chem.</i> , 271:31470-31478 (1996).			
✓	C60	Maeda, K. <i>et al.</i> , "Analysis of an expression profile of genes in the human adipose tissue," <i>Gene</i> , 190:227-235 (1997).			
✓	C61	Mercadier, J. <i>et al.</i> , "Myosin Isoenzymic Changes in Several Models of Rat Cardiac Hypertrophy," <i>Circ. Res.</i> , 49:525-532 (1981).			
✓	C62	Mercadier, J. <i>et al.</i> , "Altered Sarcoplasmic Reticulum CA ²⁺ -ATPase Gene Expression in the Human Ventricle during End-Stage Heart Failure," <i>J. Clin. Invest.</i> , 85:305-309 (1990).			
✓	C63	Morgan, H. and K. Baker, "Cardiac Hypertrophy. Mechanical, Neural, and Endocrine Dependence," <i>Circulation</i> , 83:13-25 (1991).			
✓	C64	Morkin, E. and T. Ashford, "Myocardial DNA synthesis in experimental cardiac hypertrophy," <i>Am. J. Physiol.</i> , 215:1409-1413 (1968).			
✓	C65	Murakami, Y. <i>et al.</i> , "Cloning of Antizyme Inhibitor, a Highly Homologous Protein to Ornithine Decarboxylase," <i>J. Biol. Chem.</i> , 271:3340-3342 (1996).			
✓	C66	Nagai, R. <i>et al.</i> , "Regulation of Myocardial CA ²⁺ -ATPase and Phospholamban mRNA Expression in Response to Pressure Overload and Thyroid Hormone," <i>Proc. Natl. Acad. Sci. USA</i> , 86:2966-2970 (1989).			
BW ✓	C67	Nurminkaya, M. & T. Linsenmayer, "Identification and Characterization of Up-Regulated Genes During Chondrocyte Hypertrophy," <i>Devel. Dyn.</i> , 206:260-271 (1996).			

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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Applicant Number	10/722,292
				Filing Date	November 25, 2003
				First Named Inventor	Richard A. Shimkets <i>et al.</i>
				Group Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
Sheet	8	of	10	Attorney Docket Number	09800080-0174
OTHER ITEMS - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	CiteNo.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
BW ✓	C68	Pennica, D. <i>et al.</i> , "Expression cloning of cardiotrophin 1, a cytokine that induces cardiac myocyte hypertrophy," <i>Proc. Natl. Acad. Sci. USA</i> , 92:1142-1146 (1995).			
✓	C69	Pouleur, H., "Immediate and delayed mechanisms of cardiac adaptation to a haemodynamic overload." <u>In Research in Cardiac Hypertrophy and Failure</u> , Swynghedauw, B., INSERM/John Libbey Eurotext, pp. 401-413 (1990).			
✓	C70	Reinhard, M. <i>et al.</i> , "VASP interaction with vinculin: a recurring theme of interactions with proline-rich motifs," <i>FEBS Lett.</i> , 399:103-107 (1996).			
✓	C71	Rockman, H. <i>et al.</i> , "Segregation of Atrial-Specific and Inducible Expression of an Atrial Natriuretic Factor Transgene in an in vivo Murine Model of Cardiac Hypertrophy," <i>Proc. Natl. Acad. Sci. USA</i> , 88:8277-8281 (1991).			
✓	C72	Sage, E. H., "Terms of attachment: SPARC and tumorigenesis," <i>Nature Med.</i> , 3:144-146 (1997).			
✓	C73	Samuel, J. <i>et al.</i> , "Accumulation of Fetal Fibronectin mRNAs during the Development of Rat Cardiac Hypertrophy Induced by Pressure Overload," <i>J. Clin. Invest.</i> , 88:1737-1746 (1991).			
✓	C74	Schmeichel, K. and M. Berkerle, "Molecular Dissection of a LIM Domain," <i>Mol. Biol. Cell</i> , 8:219-230 (1997).			
✓	C75	Schneider, M. <i>et al.</i> , "Modulation of Cardiac Genes by Mechanical Stress," <i>Mol. Biol. Med.</i> , 8:167-183 (1991).			
✓	C76	Schönherr, E. <i>et al.</i> , "Interaction of Biglycan with Type I Collagen," <i>J. Biol. Chem.</i> , 270:2776-2783 (1995).			
✓	C77	Shoffner, J. and D. Wallace, "Oxidative Phosphorylation Diseases and Mitochondrial DNA Mutations: Diagnosis and Treatment," <i>Annu. Rev. Nutr.</i> , 14:535-568 (1994).			
✓	C78	Shoffner, J.M. and D.C. Wallace, "Oxidative Phosphorylation Disases," <u>in The Metabolic and Molecular Bases of Inherited Diseases</u> , (7 th ed.), Scriver, C.R. <i>et al.</i> (McGraw Hill), pp. 1535-1609, 1995.			
BW ✓	C79	Schwartz, K. <i>et al.</i> , "Modifications of Gene Expression in Cardiac Hypertrophy," <i>Heart Failure</i> , 4:154-163 (1988).			

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				Filing Date	November 25, 2003
				First Named Inventor	Richard A. Shimkets <i>et al.</i>
				Group Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
Sheet	9	of	10	Attorney Docket Number	09800080-0174
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BW	C80	Shimkets, R.A. <i>et al.</i> "Gene expression analysis by transcript profiling coupled to a gene database query" <i>Nat. Biotechnol.</i> 17:798-803 (1999).			
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	C82	Simpson, P., "Norepinephrine-stimulated Hypertrophy of Cultured Rat Myocardial Cells Is an Alpha ₁ Adrenergic Response," <i>J. Clin. Invest.</i> , 72:732-738 (1983).			
	C83	Simpson P. <i>et al.</i> , "Transcription of Early Developmental Isogenes in Cardiac Myocyte Hypertrophy," <i>J. Mol. Cell. Cardiol.</i> , 21, (Suppl. V):79-89 (1989).			
	C84	Soares, M.B. <i>et al.</i> , GenBank Accession No. AA818324, 02-17-98.			
	C85	Swynghedauw, B., "Developmental and Functional Adaptation of Contractile Proteins in Cardiac and Skeletal Muscles," <i>Physiol. Rev.</i> , 66:710-771 (1986).			
	C86	Takeda, K. <i>et al.</i> , "Effect of an Angiotensin II Receptor Antagonist, TCV-116, on Cardiac Hypertrophy and Coronary Circulation in Spontaneously Hypertensive Rats," <i>Blood Pressure</i> , 3, (Supp 5) 94-98 (1994).			
	C87	Tamura, K. <i>et al.</i> , "Cyclin G: a new mammalian cyclin with homology to fission yeast Cig1," <i>Oncogene</i> , 8:2113-2118 (1993).			
	C88	Tanaka, J. <i>et al.</i> , "Nitric Oxide-Mediated cGMP Synthesis in Oligodendrocytes in the Developing Rat Brain," <i>GLIA</i> , 19:286-297 (1997).			
	C89	Tremble, P. <i>et al.</i> , "SPARC, a Secreted Protein Associated with Morphogenesis and Tissue Remodeling, Induces Expression of Metalloproteinases in Fibroblasts Through a Novel Extracellular Matrix-dependent Pathway," <i>J. Cell. Biol.</i> 121:1433-1444 (1993).			
	C90	Turto, H., "Collagen metabolism in experimental cardiac hypertrophy in the rat and the effect of digitoxin treatment," <i>Cardiovasc. Res.</i> , 11:358-366 (1977).			
BW	C91	van Groningen, J. <i>et al.</i> , "Rat desmin gene structure and expression," <i>Biochim. Biophys. Acta</i> , 1217:107-109 (1994).			

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/722,292
				Filing Date	November 25, 2003
				First Named Inventor	Richard A. Shimkets <i>et al.</i>
				Group Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
Sheet	10	of	10	Attorney Docket Number	09800080-0174
OTHER ITEMS - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	CiteNo.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
BW	C92	Wälchli, C. <i>et al.</i> , "Tissue-specific expression of the fibril-associated collagens XII and XIV," <i>J. Cell Sci.</i> , 107:669-681 (1994).			
	C93	Watkins, S.C. <i>et al.</i> , "Microtubules and Desmin Filaments During Onset of Heart Hypertrophy in Rat: A Double Immunoelectron Microscope Study," <i>Circ. Res.</i> , 60:327-336 (1987).			
	C94	Watson, P. <i>et al.</i> , "Desmin gene expression in cardiac myocytes is responsive to contractile activity and stretch," <i>Am. J. Physiol.</i> 270:C1228-C1235 (1996).			
	C95	Weber, K. and C. Brilla, "Pathological Hypertrophy and Cardiac Interstitium," <i>Circulation</i> , 83:1849-1865 (1991).			
	C96	Wegrowski, Y. <i>et al.</i> , "The Murine Biglycan: Complete cDNA Cloning, Genomic Organization, Promoter Function, and Expression," <i>Genomics</i> , 30:8-17 (1995).			
	C97	Yan, S. <i>et al.</i> , "An intracellular protein that binds amyloid- β peptide and mediates neurotoxicity in Alzheimer's disease," <i>Nature</i> , 389:689-695 (1997).			
	C98	Yan, S. <i>et al.</i> , GenBank Accession No. U96116, 05-13-97.			
	C99	Yan, S. <i>et al.</i> , GenBank Accession No. U96132, 11-01-97.			
BW	C 100	International Search Report mailed 31 March 1999 in corresponding International Application No. PCT/US98/23953, now Publication No. WO 99/24571, reference B1 herein.			

Examiner Signature	/Brian Whiteman/	Date Considered	08/15/2006
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FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)	Docket Number: 11669.206USD1	Application Number: 10/722,292
	Applicant: SHIMKETS ET AL.	
	Filing Date: 11/25/2003	Group Art Unit: 1634

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
BW	2003/0148296 A1	08/07/2003	Brown et al.			

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
BW	WO 92/12238	07/23/1992	PCT				
BW	WO 97/16209	05/09/1997	PCT				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
BW		Cooper, "Basic Determinants of Myocardial Hypertrophy: A Review of Molecular Mechanisms", <u>Annu. Rev. Med.</u> , 48:13-23 (1997)
BW		Hannan et al., "Cardiac Hypertrophy: A Matter of Translation", <u>Clinical and Experimental Pharmacology and Physiology</u> , 30:517-527 (2003)
BW		McGill et al., "Cell cycle control mechanisms and their role in cardiac growth", <u>Cardiovascular Research</u> , 30:557-569 (1995)
BW		Ritter et al., "The molecular basis of myocardial hypertrophy and heart failure", <u>TRENDS in Molecular Medicine</u> , 9(7):313-321 (2003)
BW		Sadoshima et al., "Angiotensin II and Serum Differentially Regulate Expression of Cyclins, Activity of Cyclin-Dependent Kinases, and Phosphorylation of Retinoblastoma Gene Product in Neonatal Cardiac Myocytes", <u>Circulation Research</u> , 80:228-241 (1997)
		Copy of European Search Report dated June 19, 2006

EXAMINER /Brian Whiteman/	DATE CONSIDERED 09/19/2006
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609: draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.	